

From elementary particles to the nature of human consciousness to the behavior of the universe itself—physics offers the chance to understand how things work at every level. The physics program at Morgan explores exciting new discoveries as well as the fundamental principles that govern energy and matter in all its forms. Our interdisciplinary approach will allow you to easily cross over into other sciences such as chemistry, biology, and medicine as you adapt to new challenges throughout your career.

Points of Pride

A distinguished history. The Centenary Bible Institute, founded in 1867, was renamed Morgan College in 1890, when the school began training men and women as teachers. Morgan College granted its first bachelor's degree in 1895. Purchased by the state of Maryland in 1939, Morgan began granting doctoral degrees in 1975 and has been expanding the scope of its graduate programs ever since. Morgan has been designated Maryland's *Public Urban University*.

A dynamic present. More African-American students earn bachelor's degrees in science and engineering at Morgan than at any other campus in Maryland. Over one-third of our graduates pursue advanced degrees immediately after earning a bachelor's degree. Morgan ranks among the top four colleges and universities nationwide in the number of black graduates who go on to earn a PhD. Morgan has educated over one-half of all the African-American engineers, chemists, and elementary school teachers in Maryland. The nation's leading public- and private-sector employers, many of whom come to campus for Morgan's job and career fairs, are eager to recruit Morgan graduates.

Campus. Morgan's spacious 140-acre campus is in a pleasant residential neighborhood, nestled among the rolling hills of northeast Baltimore. The campus offers easy access to the cultural and recreational resources of the Baltimore metropolitan area and to nearby Washington, D.C.

Programs of study. A comprehensive university, Morgan offers more than 60 programs leading to the Bachelor of Arts or the Bachelor of Science degree. Morgan also offers specialized programs at the masters and doctoral level.

Enrollment. Morgan's nearly 6,000 students come from all 50 states and many foreign countries.

Tuition and Financial Aid. Annual tuition, room and board, and fees for in-state and out-of-state students may be obtained by contacting the Office of Admissions and Recruitment at (443) 885-3000. Need-based and merit-based scholarships, as well as grants, loans, and part-time employment are available for eligible students.



Office of Admission and Recruitment
1700 East Cold Spring Lane
Baltimore, MD 21251
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Morgan
State University

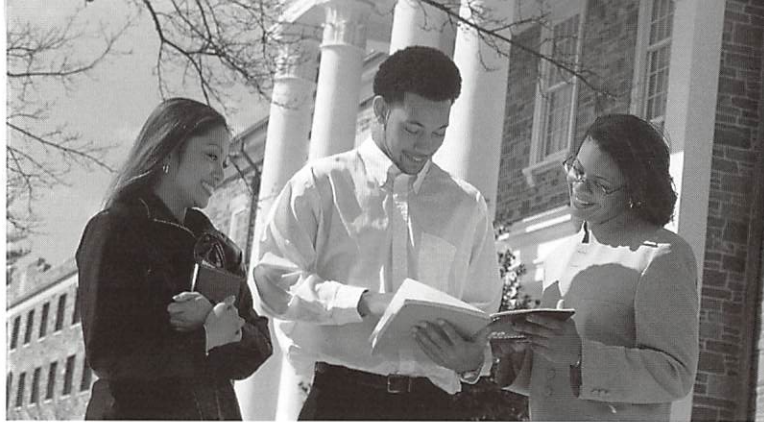
As a physics major at Morgan, you'll participate in relevant research using the same state-of-the-art electronic instruments found in laboratories around the world. Our hands-on approach will give you the scientific research experience you'll need to succeed in a career or graduate school.

Our intense curriculum includes a broad range of coursework in science and mathematics as well as in the arts and humanities. You'll expand your critical thinking and communication skills as you explore the ideas and literature that have shaped our world.

Whatever you choose to do next, you'll be well-prepared with a degree from Morgan.

The Major Programs: Excellent Preparation

The Physics Department at Morgan offers Bachelor of Science degrees in physics and in engineering physics. The major in physics offers classroom knowledge and laboratory experience in general physics, thermodynamics, electricity and magnetism, optics, modern physics, quantum mechanics, and analytical mechanics. The engineering physics major prepares students for graduate study in engineering by adding electronics, engineering science, and engineering design courses to the physics curriculum. Several options are available for students who want to enter a specific field. These include astronomy and space science, computational physics, earth science, biomedical physics, education physics, nuclear physics, material science, and nuclear engineering.



The Faculty: Dedicated Teachers and Mentors

Our small class sizes ensure that you will get the personal attention you need to thrive at Morgan. Our faculty members are committed teachers and mentors from diverse educational, research, and ethnic backgrounds. Through personal contact and discussion, teachers and students come together to form a dedicated and supportive learning community that helps each student reach new heights. You'll learn from professors who are at the top of their field and that makes Morgan a place you just can't outgrow.

Cutting-Edge Facilities

Morgan's commitment to acquiring the latest in modern research equipment ensures that you will develop beyond classroom knowledge to become a creative and engaged scientist. You'll study and practice on state-of-the-art equipment in our recently renovated \$29.6-million four-building Science Complex. We also recently complemented our existing facilities with a new \$13-million Academic Research Facility and Greenhouse. Physics majors will take advantage of new specialized equipment such as torque and vibrating magnetometers, and x-ray diffraction devices.

Relevant Research

Morgan's physics faculty often present their discoveries at conferences within the U.S. and around the world. Our department also receives grants from several federal agencies such as NASA, the National Science Foundation, and the U.S. Army. This interest in research creates a myriad of opportunities for high-achieving physics students at Morgan. Our students frequently work as research assistants on federally funded research projects during the academic year and during the summer. In addition to research performed on-campus, our physics students are also encouraged to complete internship experiences with a research component.

Recent faculty research interests include digital imaging processing, meteoritic materials, nanotechnology, colossal magnetoresistance, acoustics, and nuclear physics. In addition, we are working on thin film technology used to store magnetic data for computer applications, and biomaterials used to improve medical implants.

Your Morgan Degree Earns Respect

A physics degree from Morgan will open doors as you pursue advanced studies or begin your career. Some of our graduates become professionals in physics, engineering, medicine, government, industry, and research. Others pursue graduate school opportunities in physics, aeronautical engineering, electrical and chemical engineering, material science, and other fields of research. Whatever path they choose, our physics graduates earn praise from employers and mentors who are consistently impressed by their excellent performance.